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PTO/SB/01 (11-00)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

BP3104

First Inventor

Seema B. Anand

Title

ON-CHIP LOOP FILTER FOR A PLL

Express Mail Label No.

EL979645747US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages (preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages

5. Oath or Declaration [Total Pages

- a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ paper

c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents(s))

10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other: _____

17497 U.S. PTO
10/727371

120403

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner: _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label or ☐ Correspondence address below
insert customer no. or attach bar code label here

Name Timothy W. Markison

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Name (Print/Type) Timothy W. Markison

Registration No. (Atty/Agent)

33,534

Signature

TW Markison

Date

12/03/03

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

**FREE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) \$990.00

Complete if Known

| | |
|----------------------|----------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Seema B. Anand |
| Examiner Name | |
| Group Art Unit | |
| Atty Docket No. | BP3104 |

METHOD OF PAYMENT

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

50-2126

Deposit
Account
Name

- ☒
- Charge Any Additional Fee Required
-
- Under 37 CFR 1.16 and 1.17

- ☐
- Applicant claims small entity status.
-
- See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit card ☐ Money
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE****Fee Description**Utility filing fee
Design filing fee
Plant filing fee
Reissue filing fee
Provisional filing fee**Fee Paid**

770.00

SUBTOTAL(1) (\$) \$770.00**2. EXTRA CLAIM FEES****Fee From Below****Extra Claims****Fee Paid**Total Claims -20** X = Independent Claims -3** X = Multiple Dependent = **Fee Description**

Claims in excess of 20

Independent claims in excess of 3

**Reissue independent claims
over original patent**Reissue claims in excess of 20
and over original patent**SUBTOTAL (2)** (\$) 180.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3.. ADDITIONAL FEES****Fee Description**

Surcharge-late filing fee or oath
Surcharge-late provisional filing fee or
or cover sheet
Non-english specifications
For filing a request for ex parte reexamination
Requesting publication of SIR prior to
Examiner action
Requesting publication of SIR after
Examiner action
Extension for reply within first month
Extension for reply within second month
Extension for reply within third month
Extension for reply within fourth month
Extension for reply within fifth month
Notice of Appeal
Filing a brief in support of appeal
Request for oral hearing
Petition to institute a public use proceeding
Petition to revive - unavoidable
Petition to revive unintentional
Utility Issue Fee (or reissue)
Design Issue Fee
Plant Issue Fee
Petitions to the Commissioner
Processing fee under 37 CFR 1.17(q)
Submissions of Information Disclosure Stmt
Recording each patent assignment per
property (times number of properties)
Filing a submission after final rejection
(37 CFR 1.129(a))
For each additional invention to be
examined (37 CFR 1.129(b))
Request for Continued Examination (RCE)
Request for expedited Examination of design applicat
Other fee (specify)

Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$40.00

SUBMITTED BY**Complete (if applicable)**

Name (Print Type) Timothy W. Markison

Registration No. 33,534
(Attorney Agent)

Telephone (512) 342-0612

Signature

Date

12/03/03

Certificate Under 37 CFR 3.73(b)

Applicants: Seema B. Anand

Stephen Wu

Entitled: **ON-CHIP LOOP FILTER FOR A PLL**

Application No.

Filing Date:

Broadcom Corporation

(Name of Assignee)

a, California Corporation

(Type of Assignee)

states that it is :

1. ☒ the assignee of the entire right, title, and interest; or
 2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either :

- A. ☒ An Assignment for the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title for the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

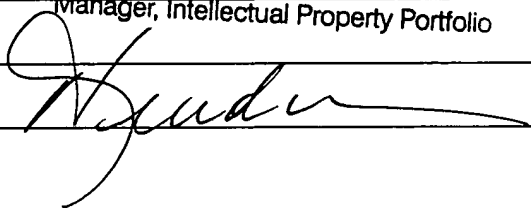
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: _____

Name: **Dee Henderson**

Manager, Intellectual Property Portfolio

Title: _____

Signature:  _____



BP3104

BROADCOM CORPORATION
16215 Alton Parkway
Irvine, California 92618

Phone: 949-450-8700
Fax: 949-450-8710

May 20, 2003

To whom it may concern:

I, Henry Samueli, hereby authorize Dee Henderson, Intellectual Property Portfolio Manager, to execute documents relating to US and foreign patent and trademark matters on behalf of Broadcom Corporation and/or its subsidiaries.

A handwritten signature in cursive script, appearing to read 'H Samueli'.

Henry Samueli, Ph.D.
Chief Technical Officer and Co-Chairman